

NOvA Experiment Status

All Experimenter's Meeting

Jaroslav Zalesak, FNAL

Mar 14, 2016

Operations – Summary



□ BEAM:

- Getting 525 kW with the 6+4 slip stacking, smooth delivery.
- Very good week on delivery/recording of POTs.

□ NearDet:

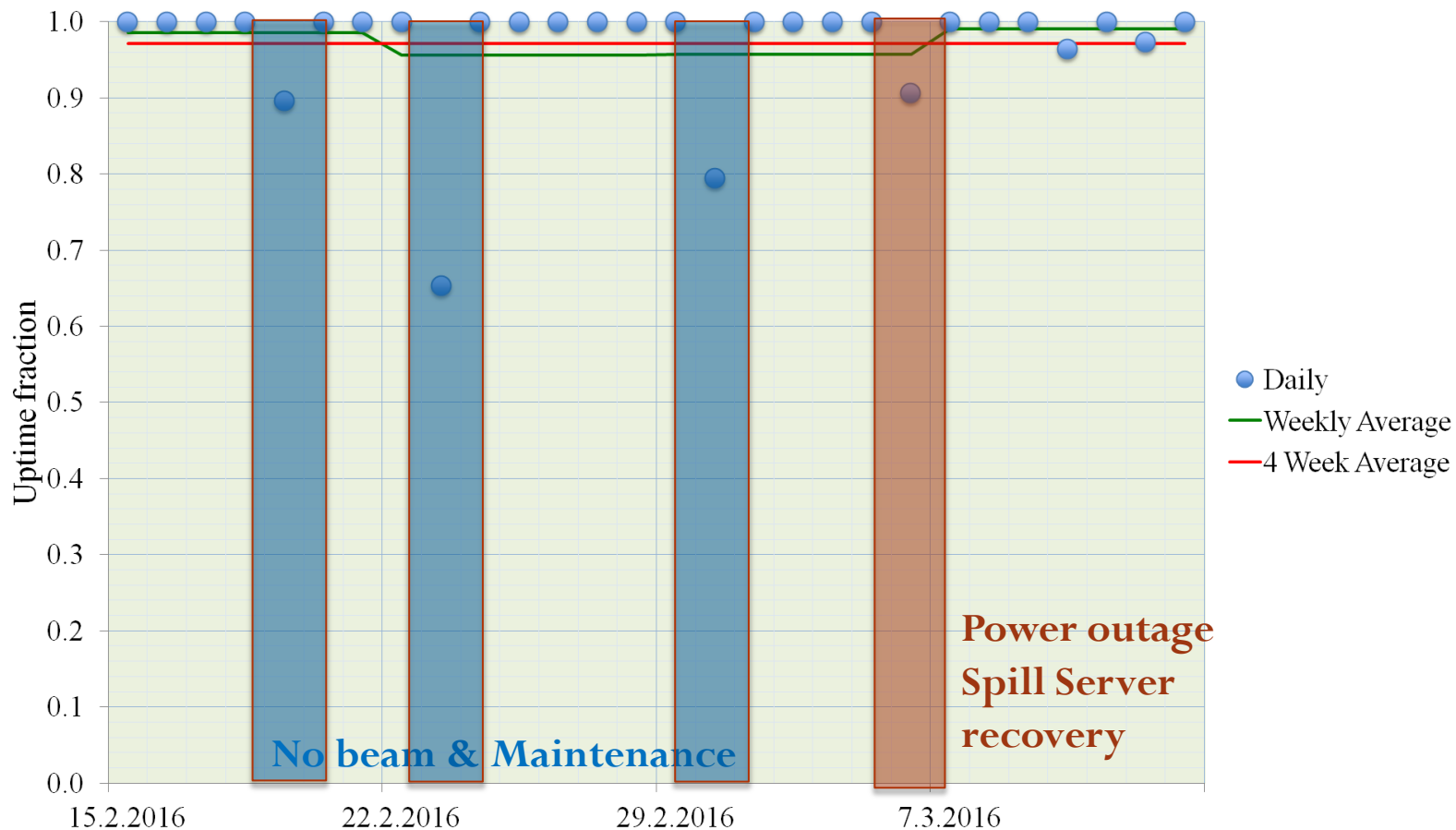
- Stabilized after big power outage at Fermi.
- 2 downtimes: new pedestal run and winter/summer time issue.

□ FarDet: running in high gain mode (150)

- Stable running over last weeks continued.
- After vast power outage a week ago we had 2 short downtimes.
- Run Control crashed when a oversize (20+GB) event triggered.
- FEB tripped on one dcm made it too much noisy, DAQ needed to be restarted.
- Early today we experienced with a short (brown-out) outage.

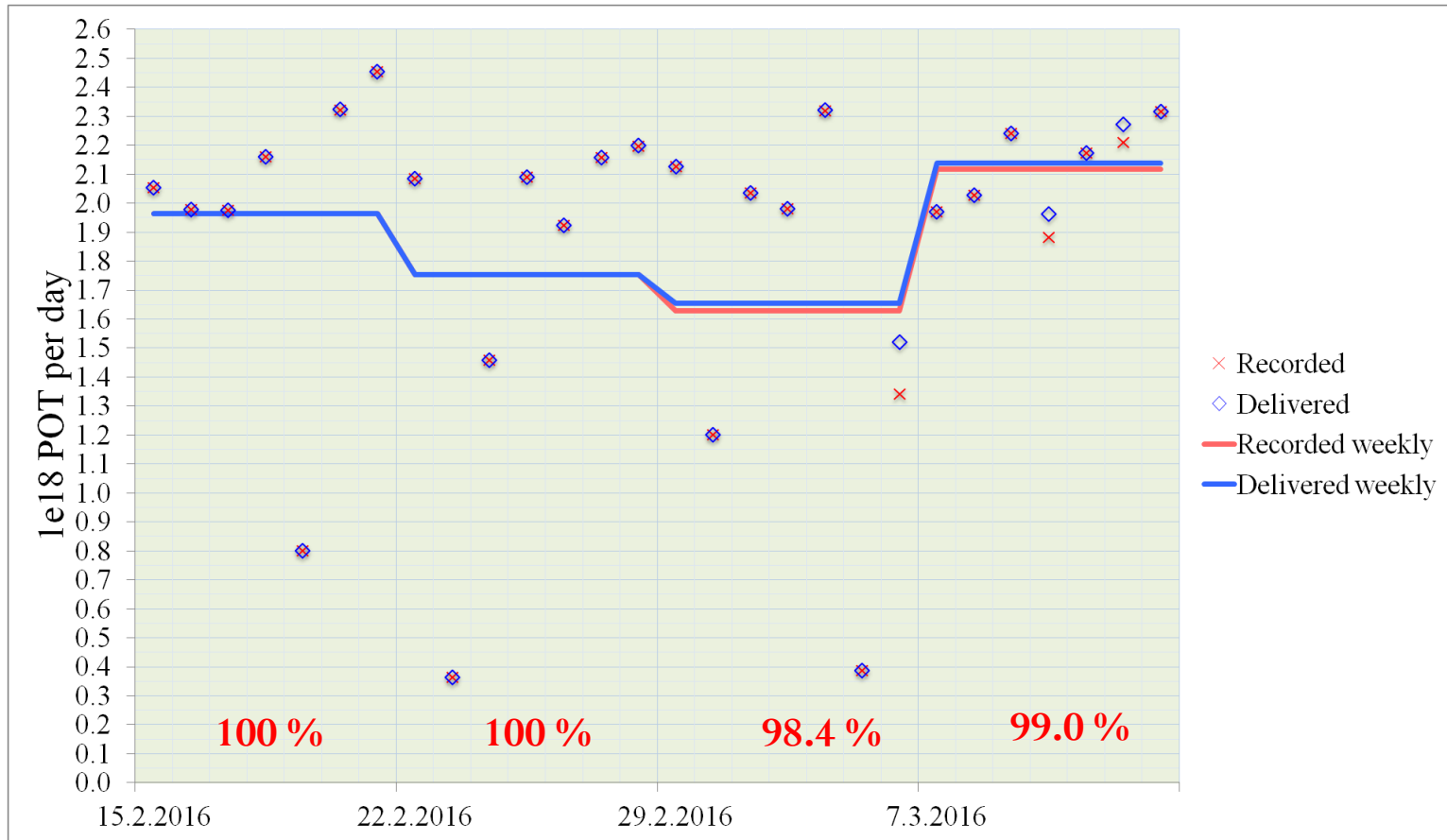
□ Control Room(s): New ROC (Goias) successfully tested.

FD: Data taking Uptime



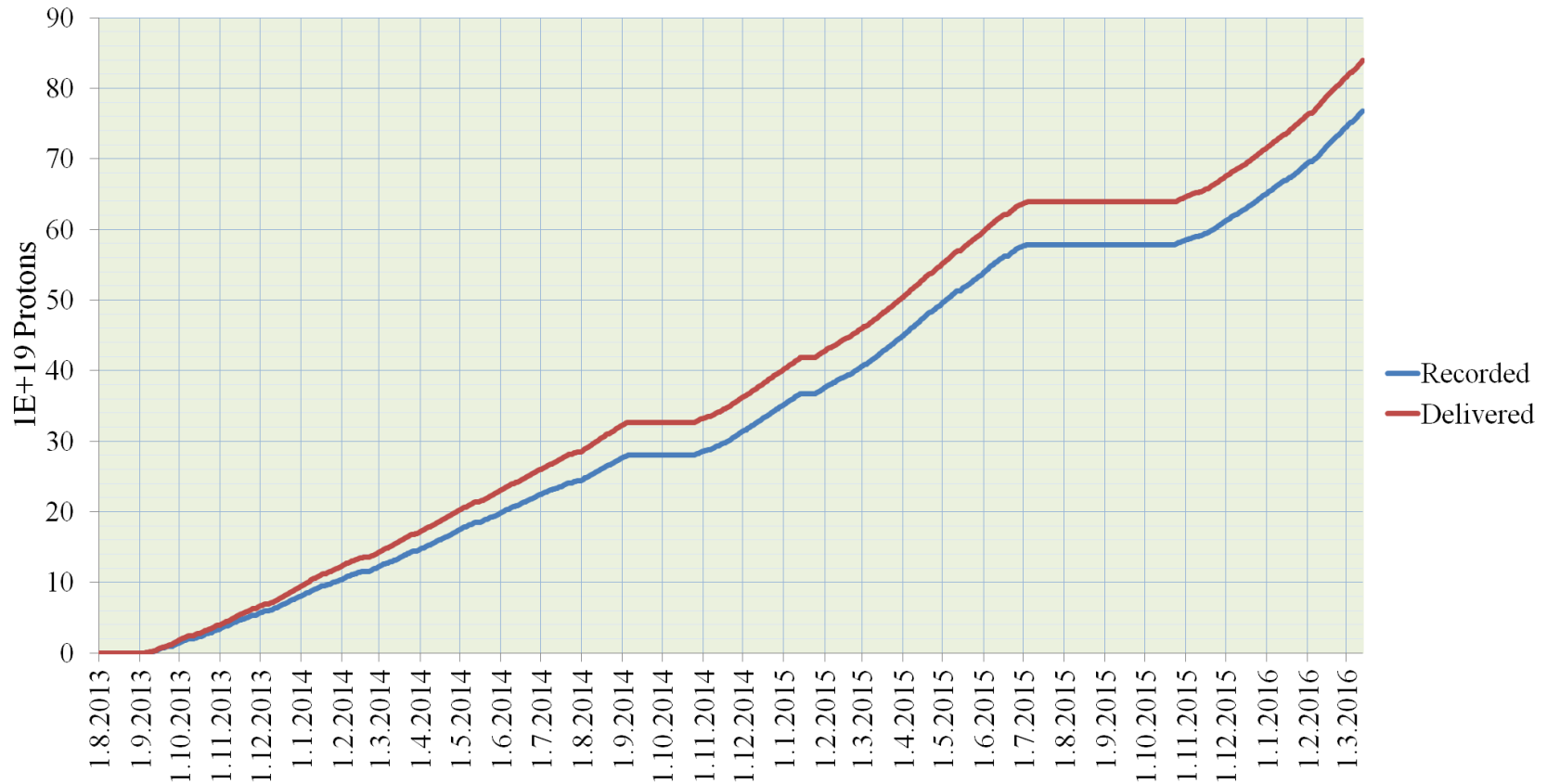
- We had very good last week – 99.1% uptime, in total of 1.5 hours down time.
- Through last month almost all down times were when beam down and did maintenances.
- Only bigger issue was the Spill Server/ Timing system recovery when the Fermilab site lost the power and thus we lost communication with the Underground (a week ago).

FD: POTs delivered/recorded



- Past week efficiency was very good 99.0%, (14.82 of 14.97 e18 POTs).
- Efficiency over last month was very good and we experienced one the best performance of the Far detector neutrino running ever.

FD: Accumulated POTs – all years



➤ 2013/14: 280/326 e18 POTs (86%) + 2014/15: 298.5/312.5* e18 POTs (95.5%) [253days]

➤ 2015/16: 189.6/200.4 e18 POTs (94.6%) [161 days]

*) Including 20.8e18 POTs horn-off data and 2.6e18 non-nominal horn current data.